

Abstract

The present invention proposes a device for measuring a usage of system resources in a communication network,  
5 said device comprising means for measuring which radio resources are used by a transmission in a system; means for measuring which data service units are used for said transmission in a system; and means for measuring which transmission characteristics are used by said  
10 transmission in a system, wherein all of said means are adapted for a respective collective measurement, and a method for measuring a usage of system resources in a communication network, said method comprising the step of measuring parameters of circumstances of a transmission  
15 in a system, said parameters being at least radio resources used by said transmission in a system, data service units used for said transmission in a system, and transmission characteristics used by said transmission in a system, wherein said measuring is carried out  
20 collectively. According to the present invention, it is possible to provide a method for dimensioning system resources for a usage by transmissions in a communication network with this device and method for measuring the usage of system resources in a communication network.

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**Fig. 1**